

# SEQUENCE LISTING

<110> GUEGLER, Karl et al.

<120> ISOLATED HUMAN PROTEASE PROTEINS,  
NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND  
USES THEREOF

<130> CL000968DIV2

<140> To Be Assigned

<141> 2003-07-01

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<151> 2002-06-04

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<151> 2000-12-21

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<151> 2000-11-22

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<212> PRT

<213> Homo sapien

<400> 4

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| Ser | Asp | Ser | Pro | Val | Glu | Leu | Pro | Ser | Arg | Leu | Ala | Val | Leu | Pro | Phe |
| 1   |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |     |
| Arg | Asn | Lys | Val | Leu | Leu | Pro | Gly | Ala | Ile | Val | Arg | Ile | Arg | Cys | Thr |
|     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |     |     |     |
| Asn | Pro | Ser | Ser | Val | Lys | Leu | Val | Glu | Gln | Glu | Leu | Trp | Gln | Lys | Glu |
|     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |     |     |     |     |
| Glu | Lys | Gly | Leu | Ile | Gly | Val | Leu | Pro | Val | Arg | Asp | Ser | Glu | Ala | Thr |
| 50  |     |     |     |     | 55  |     |     |     |     |     | 60  |     |     |     |     |
| Ala | Val | Gly | Ser | Leu | Leu | Ser | Pro | Gly | Val | Gly | Ser | Asp | Ser | Gly | Glu |
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| Gly | Gly | Ser | Lys | Val | Gly | Gly | Ser | Ala | Val | Glu | Ser | Ser | Lys | Gln | Asp |
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| Thr | Lys | Asn | Gly | Lys | Glu | Pro | Ile | His | Trp | His | Ser | Lys | Gly | Val | Ala |
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| Ile | Ala | Leu | Ser | Arg | Gln | Phe | Lys | Ala | Thr | Ala | Met | Glu | Leu | Ile | Ser |
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| Asp | Thr | Val | Pro | Val | Tyr | Arg | Leu | Ala | Asp | Ile | Phe | Val | Ala | Ser | Phe |
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|     | 450 |     |     |     | 455 |     |     |     |     |     | 460 |     |     |     |     |
| Val | Ser | Val | Ser | Asn | Pro | Val | Met | Leu | Leu | Asp | Glu | Ile | Asp | Lys | Thr |
| 465 |     |     |     | 470 |     |     |     |     | 475 |     |     |     |     |     | 480 |
| Gly | Ser | Asp | Val | Arg | Gly | Asp | Pro | Ala | Ser | Ala | Leu | Leu | Glu | Val | Leu |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
|     |     |     |     |     |     |     |     |     |     | 485 |     |     | 490 |     |     |     | 495 |  |  |  |
| Asp | Pro | Glu | Gln | Asn | Lys | Ala | Phe | Asn | Asp | His | Tyr | Leu | Asn | Val | Pro |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 500 | 505 |     |     | 510 |     |     |     |  |  |  |
| Phe | Asp | Leu | Ser | Lys | Val | Ile | Phe | Val | Ala | Thr | Ala | Asn | Arg | Met | Gln |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 515 | 520 |     |     | 525 |     |     |     |  |  |  |
| Pro | Ile | Pro | Pro | Pro | Leu | Leu | Asp | Arg | Met | Glu | Ile | Ile | Glu | Leu | Pro |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 530 | 535 |     |     | 540 |     |     |     |  |  |  |
| Gly | Tyr | Thr | Pro | Glu | Glu | Lys | Leu | Lys | Ile | Ala | Met | Lys | His | Leu | Ile |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 545 | 550 |     |     | 555 |     | 560 |     |  |  |  |
| Pro | Arg | Val | Leu | Glu | Gln | His | Gly | Leu | Ser | Thr | Thr | Asn | Leu | Gln | Ile |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 565 | 570 |     |     | 575 |     |     |     |  |  |  |
| Pro | Glu | Ala | Met | Val | Lys | Leu | Val | Ile | Glu | Arg | Tyr | Thr | Arg | Glu | Ala |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 580 | 585 |     |     | 590 |     |     |     |  |  |  |
| Gly | Val | Arg | Asn | Leu | Glu | Arg | Asn | Leu | Ala | Ala | Leu | Ala | Arg | Ala | Ala |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 595 | 600 |     |     | 605 |     |     |     |  |  |  |
| Ala | Val | Lys | Val | Ala | Glu | Gln | Val | Lys | Thr | Leu | Arg | Leu | Gly | Lys | Glu |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 610 | 615 |     |     | 620 |     |     |     |  |  |  |
| Ile | Gln | Pro | Ile | Thr | Thr | Thr | Leu | Leu | Asp | Ser | Arg | Leu | Ala | Asp | Gly |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 625 | 630 |     |     | 635 |     | 640 |     |  |  |  |
| Gly | Glu | Val | Glu | Met | Glu | Val | Ile | Pro | Met | Glu | His | Asp | Ile | Ser | Asn |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 645 | 650 |     |     | 655 |     |     |     |  |  |  |
| Thr | Tyr | Glu | Asn | Pro | Ser | Pro | Met | Ile | Val | Asp | Glu | Ala | Met | Leu | Glu |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 660 | 665 |     |     | 670 |     |     |     |  |  |  |
| Lys | Val | Leu | Gly | Pro | Pro | Arg | Phe | Asp | Asp | Arg | Glu | Ala | Ala | Asp | Arg |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 675 | 680 |     |     | 685 |     |     |     |  |  |  |
| Val | Ala | Ser | Pro | Gly | Val | Ser | Val | Gly | Leu | Val | Trp | Thr | Ser | Val | Gly |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 690 | 695 |     |     | 700 |     |     |     |  |  |  |
| Gly | Glu | Val | Gln | Phe | Val | Glu | Ala | Thr | Ala | Met | Val | Gly | Lys | Gly | Asp |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 705 | 710 |     |     | 715 |     | 720 |     |  |  |  |
| Leu | His | Leu | Thr | Gly | Gln | Leu | Gly | Asp | Val | Ile | Lys | Glu | Ser | Ala | Gln |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 725 | 730 |     |     | 735 |     |     |     |  |  |  |
| Leu | Ala | Leu | Thr | Trp | Val | Arg | Ala | Arg | Ala | Ala | Asp | Leu | Asn | Leu | Ser |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 740 | 745 |     |     | 750 |     |     |     |  |  |  |
| Pro | Thr | Ser | Asp | Ile | Asn | Leu | Leu | Glu | Ser | Arg | Asp | Ile | His | Ile | His |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 755 | 760 |     |     | 765 |     |     |     |  |  |  |
| Phe | Pro | Ala | Gly | Ala | Val | Pro | Lys | Asp | Gly | Pro | Ser | Ala | Gly | Val | Thr |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 770 | 775 |     |     | 780 |     |     |     |  |  |  |
| Leu | Val | Thr | Ala | Leu | Val | Ser | Leu | Phe | Ser | Asn | Arg | Lys | Val | Arg | Ala |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 785 | 790 |     |     | 795 |     | 800 |     |  |  |  |
| Asp | Thr | Ala | Met | Thr | Gly | Glu | Met | Thr | Leu | Arg | Gly | Leu | Val | Leu | Pro |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 805 | 810 |     |     | 815 |     |     |     |  |  |  |
| Val | Gly | Gly | Val | Lys | Asp | Lys | Val | Leu | Ala | Ala | His | Arg | Tyr | Gly | Ile |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 820 | 825 |     |     | 830 |     |     |     |  |  |  |
| Lys | Arg | Val | Ile | Leu | Pro | Glu | Arg | Asn | Leu | Lys | Asp | Leu | Ser | Glu | Val |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 835 | 840 |     |     | 845 |     |     |     |  |  |  |
| Pro | Leu | Pro | Ile | Leu | Ser | Asp | Met | Glu | Ile | Leu | Leu | Val | Lys | Arg | Ile |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 850 | 855 |     |     | 860 |     |     |     |  |  |  |
| Glu | Glu | Val | Leu | Asp | His | Ala | Phe | Glu | Gly | Arg | Cys | Pro | Leu | Arg | Ser |     |     |  |  |  |
|     |     |     |     |     |     |     |     |     |     | 865 | 870 |     |     | 875 |     | 880 |     |  |  |  |
| Arg | Ser | Lys | Leu |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |